

ABSTRACT

5 A composition for administration of a therapeutic compound
to a multi-drug resistant cell in a person suffering from a
drug-resistant cancer is described. The composition is
composed of a carrier molecule and a folate targeting ligand,
which is covalently attached to the carrier, and the
therapeutic compound. In one preferred embodiment, the carrier
is a liposome having a surface coating of hydrophilic polymer
chains where a folate ligand is attached to the free distal end
10 of at least a portion of the hydrophilic polymer chains, and
the therapeutic agent is entrapped in the liposomes. The
composition is effective to achieve accumulation of the
therapeutic compound in the cell in an amount sufficient to be
15 cytotoxic. Also described are methods for administering a
therapeutic compound to a person suffering from a multi-drug
resistant condition.